***Process:***

The presentation is short: 5 minutes (questions/comments will typed and submitted to your team afterwards).

***Goals of the Presentation:***

1. Tell others what your team is developing (overview of the project)
   1. TBR
   2. We are developing a companion app for Tutor by Request
      1. Makes it more convenient for students and tutors to schedule and manage tutoring sessions.
2. Describe your team's implementation of the spike exercise and the technology stack used to develop it
   1. Technology Stack
      1. Mobile App Dev
         1. Android Studio
      2. Front-End
         1. Android Studio Nav Graph
         2. Fragments (XML)
      3. Back-End
         1. Java
      4. Database
         1. Android SQLite (SQL)
   2. Implementation
      1. Used Android SQLite database to create tables for users, menuitems, orders, etc.
      2. Used java to build SQL query strings as well as insert, manipulate, and delete data from database tables.
      3. XML files were used to describe and implement user interface as well as navigation between fragments.
      4. Logic triggers and validation required to navigate between fragments implemented in java
3. Discuss roles and responsibilities of each team member
   1. For more laborious tasks pair programming is used, for other tasks Primary and Secondary responsibilities are delegated. Both programmers will be familiar with the code being worked on to ensure efficiency regardless of who is working on it.
4. Begin to discuss implementation details, programming languages, etc
   1. We’ll have four main activities being Login, Student, Tutor, and Student/Tutor. All of the programming will be done in Java queries will be done in SQL.
      1. Login
         1. Verify username and password
         2. Check user type (Student, tutor, etc)
         3. Send to appropriate activity based on user type
      2. Student
         1. Home page
            1. View posts and reminders
         2. My sessions
            1. View session details
            2. Messages
            3. Rate session
         3. Schedule a session
            1. Select week
            2. Select Subject and Tutor
            3. Touch calendar to highlight session to book
            4. Add description for session
      3. Tutor
         1. Home page
            1. View posts and reminders
         2. My appointments
            1. View session details
            2. Messages
            3. Rate session
         3. My Preferences
            1. Set number of hours to tutor in a week
            2. Set courses to tutor
         4. My Profile
            1. Upload a picture
            2. Retrieve information from database regarding Major and Year
            3. Upload description of Hobbies and Graduation plans
         5. Tutor Calendar
            1. Select week
            2. Touch Calendar to highlight session to book
            3. Cannot touch time blocks with availability greyed out
      4. Tutor/Student
         1. Home page
            1. View posts and reminders
         2. My sessions
            1. View session details
            2. Messages
         3. Schedule a session
         4. Set availability and courses
5. Share your team's implementation plan, next steps, and known/possible impediments
   1. As a team we have started first by setting up the general structure of the application. Some next steps include setting up a remote database that the application can access when running, getting the basic models defined, and beginning structuring the backend code.
   2. Some impediments that we expect are difficulties getting the database created and using it the way we intend to. None of us have experience with remotely hosted databases and expect to run into some difficulties there. Another possible impediment is the learning curve of picking up Android Studio. It is a large program with lots of features and challenges. We expect to be blocked by Android Studio some because of our experience during the Spike exercise.

***Presentation Guidelines:***

The purpose of this presentation is to give the team a chance to show off what they know about the project, to describe what has happened so far, and forecast what will happen next. It is also a chance for the classmates to document questions and provide suggestions to the team.

1. A clear description of what you will deliver at the end of the project (be specific about the problem you are trying to solve)
2. A summary of what work has occurred to date (i.e. meeting with the client, iteration planning, proposed layout)
3. A concise description of anticipated problems and how you plan to manage them (i.e. risks)
4. A projection of where the work is going (tutorials, coding expectations, etc)
5. We are developing a companion app for Tutor by Request. TODO: Explain what it is and what it does.
6. We used Android Studio to develop our spike exercise, since this is what we plan to use for the actual project. We used SQL to query our database.
7. For more laborious tasks pair programming is used, for other tasks Primary and Secondary responsibilities are delegated. Both programmers will be familiar with the code being worked on to ensure efficiency regardless of who is working on it.
8. We’ll have four main activities being Login, Student, Tutor, and Student/Tutor.